

## Monthly Wholesale Trade

Sales and Inventories

January 1999

RW/99-1

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U.S. Department of Commerce Economics and Statistics Administration BUREAU OF THE CENSUS

# MONTHLY WHOLESALE TRADE: SALES AND INVENTORIES JANUARY 1999

Intention to Revise Wholesale Estimates: Monthly wholesale data will be revised based on the results of the 1997 Annual Trade Survey. Unadjusted sales, inventories, and inventories/sales ratios will be revised for January 1993 through February 1999, while corresponding adjusted data will be revised for January 1990 through February 1999. Revised data are scheduled for release the week of May 3.

Sales. January 1999 sales of merchant wholesalers, after adjustment for seasonal variations and trading-day differences but not for price changes, were \$215.3 billion, down 1.0 percent (+/- 0.7%) from the revised December level but were 2.1 percent (+/-1.3%) above the January 1998 level. The December preliminary estimate was revised upward \$0.01 billion. Among durable goods, sales of metals and minerals, except petroleum, increased 2.8 percent from last month, while professional and commercial equipment and supplies fell 2.3 percent. January sales of nondurable goods decreased 2.0 percent (+/-0.9%) from last month but were 2.4 percent (+/-1.3%) above January Compared to last month, sales of farm-product raw materials declined 10.1 percent and drugs, drug proprietaries and druggists' sundries fell 2.7 percent, while petroleum and petroleum products increased 2.4 percent.

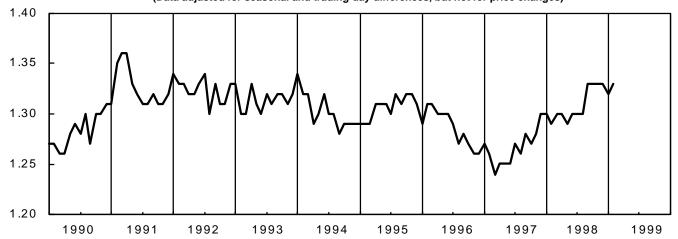
**Inventories.** Total inventories of merchant wholesalers, after adjustment for seasonal variation but not for price changes, were \$286.3 billion at the end of January, down 0.2 percent (+/-0.5%) from the revised December level but were

5.1 percent (+/-1.3%) above January 1998. The December preliminary estimate was revised downward \$0.3 billion or 0.1 percent. Among durable goods, inventories of motor vehicles and automotive equipment decreased 2.0 percent from last month, while lumber and other construction materials increased 1.6 percent. End-of-month inventories of nondurable goods decreased 0.9 percent (+/-0.8%) from last month but were 5.2 percent (+/-2.6%) above January 1998. Compared to last month, inventories of paper and paper products decreased 1.6 percent, while chemicals and allied products grew 1.1 percent.

**Inventories/Sales Ratio.** The January inventories/sales ratio for merchant wholesalers, based on seasonally adjusted data, was 1.33. The January 1998 ratio was 1.29.

Data in this report are based on a sample and, therefore, are subject to sampling and nonsampling variability. A discussion of the reliability of the data and general survey methodology appears in BW/97-RV Current Business Reports.

### Monthly Inventories/Sales Ratios of Merchant Wholesalers: 1990 to 1999 (Data adjusted for seasonal and trading-day differences, but not for price changes)



Monthly Wholesale Trade for February is scheduled to be released April 6, 1999 at 10:00 a.m.

Address inquiries concerning this report to Service Sector Statistics Division, Bureau of the Census, Washington, DC 20233, or call Ronald Piencykoski, (301) 457-2779 or 457-2764. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

This report is available on day of issue through the Department of Commerce's online Economic Bulletin Board (202-482-1986). The data are also available on the internet - http://www.census.gov/svsd/www/mwts.html.

Table 1. Estimated Monthly Sales, Inventories, and Inventories/Sales Ratios of Merchant Wholesalers: 1999 and 1998

[In millions of dollars]

Since   Sales   Sale	[In millio	ons of dollars]							ı									
Since   Sinc			Sales					Inventories							Inventories/Sales			
Company   Comp				Monthly		Perd	cent ch	ange		Monthly				ange				
Adjusted	SIC <sup>1</sup>	Kind of	Jan.	Dec.	Jan.	Jan./	Dec./	Jan. 99				Jan./	Dec./	Jan. 99	Jan.			
Adjusted   U.S. Total   U.S. U.S. U.S. U.S. U.S. U.S. U.S. U.	code	business				Dec.	Nov.	Jan. 98		_		Dec.	Nov.	Jan. 98				
Durable   119,20   216,287   271,403   210,954   111,021   0.0   1.4   1.8   187,698   187,544   73,614   0.1   0.6   0.1   0.6   0.5   0.6			(p)	(r)	(r)				(p)	(r)	(r)				(p)	(r)	(r)	
Durable   119,20   219,345   219,345   119,21   0.0   1.4   1.8   187,698   187,544   78,814   0.1   0.6   0.1   0.6   0.5	Adjus	sted <sup>2</sup>																
Solidar   Familium   Solidar   Sol			215,287	217,403	210,954	-1.0	1.2	2.1	286,262	286,962	272,344	-0.2	0.4	5.1	1.33	1.32	1.29	
Furniture	50	Durable	113,920	113,945	111,9 2 1	0.0	1.4	1.8	187,698	187,541	178,614	0.1	0.6	5.1	1.65	1.65	1.60	
Furniture	501	Automotive	19,524	19,590	18,185	-0.3	-0.4	7.4	28,919	29,504	29,189	-2.0	3.6	-0.9	1.48	1.51	1.61	
			3,334	3,334	3,521	0.0	-2.1	-5.3	5,606	5,633	5,533	-0.5	0.2	1.3	1.68	1.69	1.57	
Sob   Metals   Sob   S			7,923	7,990	7,559	-0.8	1.3	4.8	7,609	7,487	7,857	1.6	-1.3	-3.2	0.96	0.94	1.04	
Sob   Metals   Sob   S	504	Prof. equip.	21,070	21,559	20,732	-2.3	5.1	1.6	24,210	24,414	26,367	-0.8	-2.9	-8.2	1.15	1.13	1.27	
Fig.	505		8,607	8,374	8,926	2.8	0.3	-3.6	14,691	14,746	14,025	-0.4	-1.2	4.7	1.71	1.76	1.57	
Machinery Other Durable   11,132   10,868   11,100   1.15   0.4   0.3   16,287   15,786   1,168   11   19   16,0   2.66   2.27   2.27	506	E lectrical	17,431	17,290	16,817	0.8	0.5	3.7	27,709	27,753	25,572	-0.2	0.7	8.4	1.59	1.61	1.52	
Other Durable   11,132   10,660   11,100   4.4   3.4   0.3   16,987   16,738   15,740   15   -0.5   7.9   153   157   142	507	Hardware	6,742	6,711	6,680	0.5	0.8	0.9	13,674	13,601	12,692	0.5	0.6	7.7	2.03	2.03	1.90	
Nondurable   101,367   103,458   99,033   -2.0   0.9   2.4   98,564   99,421   93,730   -0.9   0.2   5.2   0.97   0.96   0.95		Machinery	18,157	18,437	18,401	-1.5	0.4	-1.3	48,293	47,665	41,639	1.3	1.9	16.0	2.66	2.59	2.26	
Paper	509	Other Durable	11,132	10,660	11,100	4.4	3.4	0.3	16,987	16,738	15,740	1.5	-0.5	7.9	1.53	1.57	1.42	
Drugs	51	Nondurable	101,367	103,458	99,033	-2.0	0.9	2.4	98,564	99,421	93,730	-0.9	0.2	5.2	0.97	0.96	0.95	
512   Drugs   11895   2,231   10,510   2,27   6.0   3,2   5,742   5,654   3,693   0.6   12   5.0   132   128   130     513   Apparel   7,036   6,861   7,78   2,66   0.3   -2,0   17,99   2,71   2,222   -3,1   -0.6   -3,5   168   177   17,0     514   Groceries   28,561   28,98   27,482   -1,2   -1,0   3,9   5,01   5,21   5,95   -0,1   -1,0   12   0.56   0.56   0.56     515   Farm-products   8,205   9,30   9,997   -1,01   2,7   -1,79   2,53   2,247   1156   -2,2   -1,9   5.5   148   136   1156     516   Chemicals   4,487   4,599   4,780   -1,1   0.4   -6,1   5,227   5,786   4,957   11   0.6   5,4   116   114   105     517   Petroleum   11582   11311   11991   2,4   -5,4   -3,4   4,00   4,035   4,554   16   -3,7   -119   0.35   0.36   0.39     519   Other Nondur.   5,135   5,08   4,595   5,38   4,595   2,3   1.6   118   5,576   5,478   5,000   18   -2,1   115   1.09   1.09   1.09     510   Durable   100,920   115,283   102,010   -12,5   6,3   1.1   187,170   184,613   178,252   1.4   0.0   5,0   100,920   192,010     501   Automotive   6,506   20,295   8,330   -16,4   -4,5   -8,1   5,494   5,498   5,422   -0,1   -15   13   2,897   3,51     503   Lumber   6,506   7,03   6,365   -8,4   -3,2   2,2   7,434   7,277   7,692   3,0   -1,8   -3,4   6,505   6,365     504   Prof. equip   9,744   33,348   9,467   -7,9   -2,7   -1,7   11,7   -5,5   -1,7   11,7   -5,5   -1,7   -5,5   -1,7   -5,5   -5,494   5,498   5,422   -0,1   -15   13   2,897   3,51     503   Lumber   6,506   7,03   6,365   -8,4   -3,2   -2,2   7,434   7,277   7,692   3,0   -1,8   -3,4   6,505   6,365     504   Prof. equip   9,744   3,348   9,467   -7,9   -7,17   5,287   -1,1   1,1   1,1   1,1   1,1   1,1   1,2   -1,1   1	511	Paper	8,035	7,989	7,341	0.6	1.0	9.5	9,188	9,334	8,677	-1.6	1.0	5.9	1.14	1.17	1.18	
515   Groceries   28,661   28,98   27,482   -1.2   -1.0   3.3   6.0,0   6.0.2   6.95   -2.2   -1.0   5.5   5.48   1.36   1.15	512		11,895	12,231	10,510	-2.7	6.0	13.2	15,742	15,654	13,693	0.6	1.2	15.0	1.32	1.28	1.30	
Farm-products   Farm-produc	513	Apparel	7,036	6,861	7,181	2.6	0.3	-2.0	11,799	12,171	12,222	-3.1	-0.6	-3.5	1.68	1.77	1.70	
The first color   The first	514	Groceries	28,561	28,918	27,482	-1.2	-1.0	3.9	16,101	16,121	15,915	-0.1	-1.0	1.2	0.56	0.56	0.58	
Petroleum	515	Farm-products	8,205	9,130	9,997	-10.1	2.7	-17.9	12,153	12,427	11,516	-2.2	-1.9	5.5	1.48	1.36	1.15	
Not Adjusted   195,414   221,375   197,512   -11.7   6.5   -1.1   291,561   287,683   277,486   1.3   -0.1   5.1   195,414   197,512   195,414   221,375   197,512   -11.7   6.5   -1.1   187,170   184,613   178,252   1.4   0.0   5.0   100,920						-1.1			,									
Not Adjusted									-									
Not Adjusted  U.S. Total  195,414  221,375  197,512  -11.7  6.5  -1.1  291,561  287,683  277,486  1.3  -0.1  5.1  1999  1998  199,512  50  Durable  100,920  115,283  102,010  -12.5  6.3  -1.1  187,170  184,613  178,252  1.4  0.0  5.0  100,920  1			5,135	5,018	4,595	2.3	1.6	11.8	5,576	5,478	5,000	1.8	-2.1	11.5	1.09	1.09	1.09	
U.S. Total 195,414 221,375 197,512 -11.7 6.5 -1.1 291,561 287,683 277,486 1.3 -0.1 5.1 195,414 197,512 50 Durable 100,920 115,283 102,010 -12.5 6.3 -1.1 187,170 184,613 178,252 1.4 0.0 5.0 100,920 102,010 1	519	Other Nondur.	16,431	17,461	15,156	-5.9	4.6	8.4	18,678	19,033	17,096	-1.9	3.1	9.3	1.14	1.09	1.13	
V.S. Total         195,414         221,375         197,512         -11.7         6.5         -1.1         291,561         287,683         277,486         1.3         -0.1         5.1         195,414         197,512           50         Durable         100,920         115,283         102,010         -12.5         6.3         -1.1         187,170         184,613         178,252         1.4         0.0         5.0         100,920         102,010           501         Automotive         16,966         20,295         16,330         -16.4         7.8         3.9         29,353         28,589         29,627         2.7         -0.1         -0.9         16,966         16,330           502         Furniture         2,897         3,401         3,51         -14.8         -4.5         -8.1         5,498         5,492         -0.1         -1.5         13         2,897         3,61           504         Prof. equip.         19,174         23,348         19,467         -17.9         21.7         -1.5         4,422         24,390         26,631         0.2         -3.8         -8.3         19,174         19,467           505         Metals         8,85         7,922         8,658	Not A	Adjusted																
50         Durable         100,920         115,283         102,010         -12.5         6.3         -1.1         187,170         184,613         178,252         1.4         0.0         5.0         100,920         102,010           501         Automotive         16,966         20,295         16,330         -16.4         7.8         3.9         29,353         28,589         29,627         2.7         -0.1         -0.9         16,966         16,330           502         Furniture         2,897         3,401         3,151         -14.8         -4.5         -8.1         5,494         5,498         5,422         -0.1         -1.5         13         2,897         3,151           503         Lumber         6,505         7,03         6,365         -8.4         -3.2         2.2         7,434         7,217         7,692         3.0         -1.8         -3.4         6,505         6,365           504         Prof. equip.         19,174         23,348         19,467         -1.9         21.7         -1.5         24,428         24,390         26,631         0.2         -3.8         -8.3         19,74         19,467           506         Electrical         15,531         17,117															1999	, ,	1998	
501         Automotive         16,966         20,295         16,330         -16,4         7,8         3.9         29,353         28,589         29,627         2.7         -0.1         -0.9         16,966         16,330           502         Furniture         2,897         3,401         3,61         -14.8         -4.5         -8.1         5,494         5,498         5,422         -0.1         -1.5         13         2,897         3,61           503         Lumber         6,505         7,103         6,365         -8.4         -3.2         2.2         7,434         7,217         7,692         3.0         -1.8         -3.4         6,505         6,365         6,365         -8.4         -3.2         2.2         7,434         7,217         7,692         3.0         -1.8         -3.4         6,505         6,365         5.05         Mortials         8,185         7,922         8,658         3.3         1.2         -5.5         14,823         14,893         14,165         -0.5         2.7         4.6         8,185         8,1792         -9.3         11         1.6         27,598         27,115         25,470         18         0.0         8.4         15,531         17,717         15,287		U.S. Total	195,414	221,375	197,512	-11.7	6.5	-1.1	291,561	287,683	277,486	1.3	-0.1	5.1	195,4	114	197,512	
502         Furniture         2,897         3,401         3,151         -14.8         -4.5         -8.1         5,494         5,498         5,422         -0.1         -1.5         1.3         2,897         3,151           503         Lumber         6,505         7,103         6,365         -8.4         -3.2         2.2         7,434         7,217         7,692         3.0         -1.8         -3.4         6,505         6,365           504         Prof. equip.         19,174         23,348         19,467         -17.9         21.7         -1.5         24,428         24,390         26,631         0.2         -3.8         -8.3         19,174         19,467           505         Metals         8,185         7,922         8,658         3.3         12         -5.5         14,823         14,893         14,165         -0.5         2.7         4.6         8,185           506         Electrical         15,531         17,117         15,287         -9.3         11         1.6         27,598         27,115         25,470         18         0.0         8.4         15,531         15,287           508         Machinery         16,196         18,806         17,021         -13.9 <th>50</th> <th>Durable</th> <th>100,920</th> <th>115,283</th> <th>102,010</th> <th>-12.5</th> <th>6.3</th> <th>-1.1</th> <th>187,170</th> <th>184,613</th> <th>178,252</th> <th>1.4</th> <th>0.0</th> <th>5.0</th> <th>100,9</th> <th>20</th> <th>02,010</th>	50	Durable	100,920	115,283	102,010	-12.5	6.3	-1.1	187,170	184,613	178,252	1.4	0.0	5.0	100,9	20	02,010	
503         Lumber         6,505         7,103         6,365         -8.4         -3.2         2.2         7,434         7,217         7,692         3.0         -1.8         -3.4         6,505         6,365           504         Prof. equip.         19,174         23,348         19,467         -17.9         21.7         -1.5         24,428         24,390         26,631         0.2         -3.8         -8.3         19,174         19,467           505         Metals         8,185         7,922         8,658         3.3         12         -5.5         14,823         14,893         14,165         -0.5         2.7         4.6         8,185         8,658           506         Electrical         15,531         17,117         15,287         -9.3         1.1         1.6         27,598         27,115         25,470         1.8         0.0         8.4         15,531         15,287           507         Hardware         5,926         6,322         5,985         -6.3         -2.8         -1.0         13,370         12,476         0.5         0.7         7.7         5,926         5,985           508         Machinery         16,969         18,806         -10.0         -0.3	501	Automotive	16,966	20,295	16,330	-16.4	7.8	3.9	29,353	28,589	29,627	2.7	-0.1	-0.9	16,	966	16,330	
504         Prof. equip.         19,774         23,348         19,467         -17.9         21.7         -1.5         24,428         24,390         26,631         0.2         -3.8         -8.3         19,174         19,467           505         Metals         8,185         7,922         8,658         3.3         12         -5.5         14,823         14,893         14,165         -0.5         2.7         4.6         8,185         8,658           506         E lectrical         15,531         17,117         15,287         -9.3         11         1.6         27,598         27,115         25,470         1.8         0.0         8.4         15,531         15,287           507         Hardware         5,926         6,322         5,985         -6.3         -2.8         -1.0         13,442         13,370         12,476         0.5         0.7         7.7         5,926         5,985           508         Machinery         16,196         18,806         17,021         -13.9         9.2         -4.8         47,713         47,188         41,139         11         2.3         16.0         16,196         17,021           509         Other Durable         94,494         106,092			2,897	3,401	3,151	-14.8	-4.5	-8.1	5,494	5,498	5,422	-0.1	-1.5	1.3	2,	897	3,151	
505         Metals         8,185         7,922         8,658         3.3         1.2         -5.5         14,823         14,893         14,165         -0.5         2.7         4.6         8,185         8,658           506         Electrical         15,531         17,117         15,287         -9.3         1.1         1.6         27,598         27,115         25,470         1.8         0.0         8.4         15,531         15,287           507         Hardware         5,926         6,322         5,985         -6.3         -2.8         -1.0         13,442         13,370         12,476         0.5         0.7         7.7         5,926         5,985           508         Machinery         16,196         18,806         17,021         -13.9         9.2         -4.8         47,713         47,188         41,139         1.1         2.3         16.0         16,196         17,021           509         Other Durable         94,494         106,092         95,502         -10.9         6.7         -1.1         104,391         103,070         99,234         1.3         -0.2         5.2         94,494         95,502           511         Paper         7,874         8,093				7,103													6,365	
506         Electrical         15,531         17,117         15,287         -9.3         11         16         27,598         27,115         25,470         1.8         0.0         8.4         15,531         15,287           507         Hardware         5,926         6,322         5,985         -6.3         -2.8         -1.0         13,442         13,370         12,476         0.5         0.7         7.7         5,926         5,985           508         Machinery         16,196         18,806         17,021         -13.9         9.2         -4.8         47,713         47,188         41,139         11         2.3         16.0         16,196         17,021           509         Other Durable         9,540         10,969         9,746         -13.0         -0.3         -2.1         16,885         16,353         15,630         3.3         -2.0         8.0         9,540         9,540         9,746           51         Nondurable         94,494         106,092         95,502         -10.9         6.7         -1.1         104,391         103,070         99,234         1.3         -0.2         5.2         94,494         95,502           511         Paper         7,874																		
507         Hardware         5,926         6,322         5,985         -6.3         -2.8         -1.0         13,442         13,370         12,476         0.5         0.7         7.7         5,926         5,985           508         Machinery         16,196         18,806         17,021         -13.9         9.2         -4.8         47,713         47,88         41,139         11         2.3         16.0         16,196         17,021           509         Other Durable         9,540         10,969         9,746         -13.0         -0.3         -2.1         16,885         16,353         15,630         3.3         -2.0         8.0         9,540         9,540         9,746           51         Nondurable         94,494         106,092         95,502         -10.9         6.7         -1.1         104,391         103,070         99,234         1.3         -0.2         5.2         94,494         95,502           511         Paper         7,874         8,093         7,341         -2.7         7.6         7.3         9,363         9,577         8,851         -2.2         1.5         5.8         7,874         7,341           512         Drugs         11931         12,892<											· '							
508         Machinery Other Durable         16,196 9,540 10,969 9,746 -13.0 -13.0 9,746 -13.0 -0.3 -2.1 16,885 16,353 15,630 3.3 -2.0 8.0 9,540 9,746 9,746         11 2.3 16.0 16,196 17,021 9,746									,									
509         Other Durable         9,540         10,969         9,746         -13.0         -0.3         -2.1         16,885         16,353         15,630         3.3         -2.0         8.0         9,540         9,540         9,746           51         Nondurable         94,494         106,092         95,502         -10.9         6.7         -1.1         104,391         103,070         99,234         1.3         -0.2         5.2         94,494         95,502           511         Paper         7,874         8,093         7,341         -2.7         7.6         7.3         9,363         9,577         8,851         -2.2         15         5.8         7,874         7,341           512         Drugs         11,931         12,892         10,825         -7.5         14.0         10.2         16,875         15,967         14,679         5.7         3.0         15.0         11931         10,825           513         Apparel         6,438         5,660         6,779         13.7         -10.2         -5.0         12,283         12,256         12,711         0.2         3.5         -3.4         6,438         6,779           514         Groceries         26,676         29,84		Hardware																
51         Nondurable         94,494         106,092         95,502         -10.9         6.7         -1.1         104,391         103,070         99,234         1.3         -0.2         5.2         94,494         95,502           511         Paper         7,874         8,093         7,341         -2.7         7.6         7.3         9,363         9,577         8,851         -2.2         1.5         5.8         7,874         7,341           512         Drugs         11,931         12,892         10,825         -7.5         14.0         10.2         16,875         15,967         14,679         5.7         3.0         15.0         11931         10,825           513         Apparel         6,438         5,660         6,779         13.7         -10.2         -5.0         12,283         12,256         12,711         0.2         3.5         -3.4         6,438         6,779           514         Groceries         26,676         29,843         26,465         -10.6         4.2         0.8         16,085         16,218         15,915         -0.8         3.8         11         26,676         26,465           515         Farm-products         8,558         10,536         10,									1									
511         Paper         7,874         8,093         7,341         -2.7         7.6         7.3         9,363         9,577         8,851         -2.2         15         5.8         7,874         7,341           512         Drugs         11,931         12,892         10,825         -7.5         14.0         10.2         16,875         15,967         14,679         5.7         3.0         15.0         11931         10,825           513         Apparel         6,438         5,660         6,779         13.7         -10.2         -5.0         12,283         12,256         12,711         0.2         3.5         -3.4         6,438         6,679           514         Groceries         26,676         29,843         26,465         -10.6         4.2         0.8         16,085         16,218         15,915         -0.8         -3.8         11         26,676         26,465           515         Farm-products         8,558         10,536         10,777         -18.8         13.5         -20.6         15,459         15,347         14,706         0.7         -2.5         5.1         8,558         10,777           516         Chemicals         4,186         4,258         4,594 </td <td></td> <td></td> <td>· ·</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>,</td>			· ·						1								,	
512         Drugs         11,931         12,892         10,825         -7.5         14.0         10.2         16,875         15,967         14,679         5.7         3.0         15.0         11,931         10,825           513         Apparel         6,438         5,660         6,779         13.7         -10.2         -5.0         12,283         12,256         12,711         0.2         3.5         -3.4         6,438         6,779           514         Groceries         26,676         29,843         26,465         -10.6         4.2         0.8         16,085         16,218         15,915         -0.8         -3.8         11         26,676         26,465           515         Farm-products         8,558         10,536         10,777         -18.8         13.5         -20.6         15,459         15,347         14,706         0.7         -2.5         5.1         8,558         10,777           516         Chemicals         4,186         4,258         4,594         -1.7         -0.4         -8.9         5,222         5,63         4,947         11         10         5.6         4,186         4,594           517         Petroleum         11513         11,865         12																		
513 Apparel 6,438 5,660 6,779 13.7 -10.2 -5.0 12,283 12,256 12,711 0.2 3.5 -3.4 6,438 6,779 514 Groceries 26,676 29,843 26,465 -10.6 4.2 0.8 16,085 16,218 15,915 -0.8 -3.8 11 26,676 26,465 515 Farm-products 8,558 10,536 10,777 -18.8 13.5 -20.6 15,459 15,347 14,706 0.7 -2.5 5.1 8,558 10,777 516 Chemicals 4,186 4,258 4,594 -1.7 -0.4 -8.9 5,222 5,163 4,947 11 10 5.6 4,186 4,594 517 Petroleum 11513 11,865 12,147 -3.0 -1.1 -5.2 4,178 4,233 4,719 -1.3 -1.7 -115 11513 12,147 518 Alcohol 3,779 5,886 3,570 -35.8 17.5 5.9 5,202 5,029 4,670 3.4 -16.6 114 3,779 3,570	511																	
514         Groceries         26,676         29,843         26,465         -10.6         4.2         0.8         16,085         16,218         15,915         -0.8         -3.8         11         26,676         26,465         26,465         10,777         -18.8         13.5         -20.6         15,459         15,347         14,706         0.7         -2.5         5.1         8,558         10,777           516         Chemicals         4,186         4,258         4,594         -1.7         -0.4         -8.9         5,222         5,63         4,947         11         10         5.6         4,186         4,594           517         Petroleum         11513         11,865         12,147         -3.0         -11         -5.2         4,178         4,233         4,719         -1.3         -1.7         -115         11513         12,147           518         Alcohol         3,779         5,886         3,570         -35.8         17.5         5.9         5,202         5,029         4,670         3.4         -16.6         114         3,779         3,570																		
515 Farm-products 8,558 10,536 10,777 -18.8 13.5 -20.6 15,459 15,347 14,706 0.7 -2.5 5.1 8,558 10,777 516 Chemicals 4,186 4,258 4,594 -1.7 -0.4 -8.9 5,222 5,163 4,947 11 10 5.6 4,186 4,594 517 Petroleum 11513 11,865 12,147 -3.0 -1.1 -5.2 4,178 4,233 4,719 -1.3 -1.7 -115 11513 12,147 518 Alcohol 3,779 5,886 3,570 -35.8 17.5 5.9 5,202 5,029 4,670 3.4 -16.6 114 3,779 3,570																		
516 Chemicals 4,186 4,258 4,594 -1.7 -0.4 -8.9 5,222 5,163 4,947 11 10 5.6 4,186 4,594 517 Petroleum 11513 11,865 12,147 -3.0 -1.1 -5.2 4,178 4,233 4,719 -1.3 -1.7 -115 11513 12,147 518 Alcohol 3,779 5,886 3,570 -35.8 17.5 5.9 5,202 5,029 4,670 3.4 -16.6 114 3,779 3,570																		
517 Petroleum 11513 11,865 12,147 -3.0 -1.1 -5.2 4,178 4,233 4,719 -1.3 -1.7 -115 11513 12,147 518 Alcohol 3,779 5,886 3,570 -35.8 17.5 5.9 5,202 5,029 4,670 3.4 -16.6 114 3,779 3,570															,			
518 Alcohol 3,779 5,886 3,570 -35.8 17.5 5.9 5,202 5,029 4,670 3.4 -16.6 11.4 3,779 3,570																		
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p Preliminary estimate. r Revised.

<sup>1</sup> For a full description of the SIC Codes shown above see the "1987 Standard Industrial Classification Manual" or the Current Business Reports "Annual Benchmark Report for Wholesale Trade" publication.

<sup>2</sup> Data adjusted for seasonal variations and, in the case of sales, also for trading-day differences. See Table 3 for seasonal adjustment factors used

Table 2. Coefficients of Variation and Standard Error for Sales and Inventories

	Kind of business	Coeffici	ents of v (x 1		or level	Sta	ındard er	ror for tre	end	Coeffic variation (x '	Standard error for trend	
SIC code		P relir estim	ninary nates	Final estimates		Ratio of two consecutive months		Year to year estimates		Cumulative sales estimates		Current year cumulative
		Sales	Inv	Sales	Inv	Sales	Inv	Sales	Inv	Current	Previous	to
		M edian	M edian	M edian	M edian	M edian	M edian	M edian	M edian	year	year	previous year
	U.S. Total	1.0	1.3	1.0	1.3	0.4	0.2	0.7	1.0	1.1	1.1	0.8
50	Durable	1.9	2.2	1.9	2.2	0.6	0.3	1.0	1.2	2.0	2.4	0.9
501	Automotive	4.2	5.1	4.2	5.2	1.0	0.8	2.0	2.0	3.9	5.3	2.1
502	Furniture	6.5	7.7	6.6	7.7	2.1	0.8	3.4	2.5	6.8	6.4	2.1
503	Lumber	5.0	5.6	5.1	5.7	1.2	0.7	2.0	2.3	5.6	6.0	1.6
	Prof. equip.	5.2	6.3	4.9	6.1	1.3	0.6	3.2	2.8	6.2	5.8	3.3
505	Metals	4.6	9.3	4.6	9.2	1.2	0.8	1.5	3.1	5.0	4.7	1.5
506	E lectrical	5.9	6.4	5.9	6.3	1.5	0.6	2.0	2.4	7.5	7.1	2.0
507	Hardware	5.2	5.9	5.3	5.8	1.1	0.6	1.5	1.9	4.7	6.1	2.2
508	Machinery	6.5	6.2	6.3	6.2	1.7	0.6	2.8	2.1	6.2	5.9	2.4
509	Other Durable	5.8	8.0	5.8	7.9	1.7	0.9	2.7	2.2	7.0	5.9	3.4
51	Nondurable	1.9	2.2	1.9	2.2	0.6	0.5	1.0	1.3	1.8	1.5	0.8
511	Paper	4.9	5.1	4.8	5.0	1.1	0.6	2.5	2.5	4.8	3.9	2.3
512	Drugs	6.4	4.8	6.3	4.8	0.9	0.7	2.5	1.6	7.2	6.3	3.6
513	Apparel	5.3	7.7	5.1	7.6	2.0	1.1	3.0	2.6	5.5	6.0	3.7
514	Groceries	3.0	5.4	3.0	5.5	0.7	0.6	1.1	1.2	2.8	2.5	0.9
515	Farm-products		8.1	6.0	8.1	2.0	1.7	2.7	4.0	5.5	5.2	2.2
516	Chemicals	5.7	6.0	5.8	6.0	1.4	0.6	2.0	1.9	5.3	6.2	1.4
517	Petroleum	6.1	16.0	5.9	15.6	0.9	1.0	1.9	1.7	7.0	7.0	1.3
518	Alcohol	6.4	8.7	6.4	8.7	1.5	1.3	1.6	16.9	6.4	6.4	2.4
519	Other Nondur.	6.4	6.5	6.3	6.6	2.0	1.1	3.9	4.1	6.6	6.2	4.0

Note: The median measures of variability are based on the most recent 12 months of data.

### Sample Design and Reliability of Data

There are two types of errors possible in an estimate based on a sample survey: sampling and nonsampling.

Sampling errors occur because observations are made on a sample, not on the entire population, and different samples could have led to different estimates. Standard errors and coefficients of variation, as calculated for this report, are measures of sampling variation. The margin of sampling error, as used on page 1, gives a range about the estimate which is a 90% confidence interval. If, for example, the trend estimate is up 1.2% and the standard error is 0.9%, then the margin of sampling error is  $\pm 1.65$  x 0.9% or  $\pm 1.5\%$ , and the 90% confidence interval is -0.3% to +2.7%. If the interval contains 0, it cannot be stated with certainty whether there was an increase or decrease. For monthly level, the coefficient of variation (CV) is given. The resulting confidence interval is the estimated value  $\pm 1.65$  x CV x (the estimated value).

Nonsampling errors are usually attributed to many possible sources: (1) coverage error - failure to accurately represent all population units in the sample,

(2) inability to obtain information about all sample cases, (3) response errors, possibly due to definitional difficulties or misreporting, (4) mistakes in recording or coding the data obtained, and (5) other errors of collection or processing, or in imputing for missing or inconsistent data. Coverage error has an effect on the accuracy of estimates for this survey to the extent that the administrative records system, which forms the basis of our survey universe frame, does not contain all legal businesses. A major source of nonsampling error in the published estimates is due to the need to impute data for nonrespondents and for late and inconsistent reports. For all kinds of businesses combined, imputed data amount to about 26 percent of the total monthly wholesale sales estimates and 28 percent of the total monthly wholesale inventories estimates.

Nonsampling errors also occur in complete censuses. Although no direct measures of these errors have been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data to minimize their influence.

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Table 3. Seasonal Adjustment Factors for Sales and Inventories of Merchant Wholesalers

SIC	Kind of			Sa	les			Inventories						
code	Business	1999		1998			1998	1999		1998			1998	
		Feb.	Jan.r	Dec.r	Nov.	Oct.	Jan.r	Feb.	Jan.r	Dec.r	Nov.	Oct.	Jan.r	
	U.S. Total <sup>1</sup>	0.915	0.908	1.016	0.968	1.061	0.937	1.014	1.019	1.004	1.008	1.006	1.019	
50	Durable	0.904	0.885	1.006	0.967	1.069	0.910	1.003	0.997	0.984	0.990	0.996	0.997	
501	Automotive	0.908	0.869	1.036	0.957	1.036	0.898	1.044	1.015	0.969	1.005	1.002	1.015	
502	Furniture	0.882	0.869	1.020	1.046	1.089	0.895	0.975	0.980	0.976	0.993	1.000	0.980	
503	Lumber	0.842	0.821	0.889	0.931	1.088	0.842	1.004	0.977	0.964	0.969	0.960	0.979	
504	Prof. equip.	0.909	0.910	1.083	0.935	1.048	0.939	0.987	1.009	0.999	1.009	1.005	1.010	
505	Metals	0.942	0.951	0.946	0.938	1.036	0.970	0.999	1.009	1.010	0.971	0.976	1.010	
506	E lectrical	0.907	0.891	0.990	0.985	1.095	0.909	0.996	0.996	0.977	0.984	0.983	0.996	
507	Hardware	0.862	0.879	0.942	0.977	1.103	0.896	0.999	0.983	0.983	0.982	0.988	0.983	
508	Machinery	0.925	0.892	1.020	0.938	1.035	0.925	0.998	0.988	0.990	0.986	0.999	0.988	
509	Other Durable	0.882	0.857	1.029	1.068	1.154	0.878	0.981	0.994	0.977	0.992	1.039	0.993	
51	Nondurable	0.926	0.934	1.026	0.970	1.046	0.964	1.034	1.058	1.039	1.040	1.025	1.058	
511	Paper	0.944	0.980	1.013	0.951	1.039	1.000	0.998	1.019	1.026	1.021	1.007	1.020	
512	Drugs	0.930	1.003	1.054	0.980	1.043	1.030	1.017	1.072	1.020	1.003	1.010	1.072	
513	Apparel	1.028	0.915	0.825	0.921	1.138	0.944	1.008	1.041	1.007	0.968	0.985	1.040	
514	Groceries	0.909	0.934	1.032	0.981	1.031	0.963	0.968	0.999	1.006	1.036	1.053	1.000	
515	Farm-products	0.965	1.043	1.154	1.044	1.074	1.078	1.211	1.272	1.235	1.243	1.141	1.277	
516	Chemicals	0.945	0.933	0.938	0.938	1.025	0.961	1.010	0.999	0.999	0.995	0.977	0.998	
517	Petroleum	0.945	0.994	1.049	1.004	1.030	1.013	0.978	1.019	1.049	1.028	1.037	1.014	
518	Alcohol	0.811	0.736	1.173	1.014	1.048	0.777	0.954	0.933	0.918	1.078	1.091	0.934	
519	Other Nondur.	0.890	0.824	0.977	0.902	0.979	0.858	1.068	1.056	1.013	0.997	0.966	1.055	



#### r Revised

1 Adjusted sales and inventories data shown in table 1 are obtained by dividing the unadjusted data by the adjustment factors shown above for the corresponding group. Adjusted data for the totals are obtained by adding the durable and nondurable goods. Seasonal factors shown for the totals will provide an approximation of the adjusted estimates, but may show small differences from the published data.

Note: The seasonal factors shown have been computed based on monthly estimates through the current month preliminary estimates.